AMENDMENTS

In the claims:

1. (Currently Amended) An RF ID card reader, comprising:

RF ID circuitry to generate an RF ID signal;

a transceiver in communication with said RF ID circuitry; and

a scanning antenna associated with said transceiver for scanning an area for at least one tag and establishing communication with at least one tag;

wherein said scanning antenna comprises:

at least one RF module, said at least one RF module further comprising at least one RF connection for receipt of at least one RF signal and at least one tunable or switchable device;

a RF motherboard for acceptance of RF signals and distribution of transmit energy to said RF module at appropriate phases to generate a beam in a commanded direction and width; and

a controller for determining a correct signal to send to said at least one RF module.

2. (Cancelled)

3. (Currently Amended) The RF ID card reader of claim 1~~2~~, wherein said at least one RF signal has either single or dual polarization which can be either linear or circular.

4. (Currently Amended) The RF ID card reader of claim 1~~2~~, wherein said at least one RF module is nine RF modules.

5. (Original) The RF ID card reader of claim 1, wherein an interface connects said scanning antenna with a microcontroller associated with said reader.

6. (Currently Amended) The RF ID card reader of claim 1~~2~~, wherein ~~said~~ a beam width and steer have at least a 6 dBi gain throughout a 360 degree azimuth scan or any segmentation of 360 degrees.

7. (Currently Amended) The RF ID card reader of claim 1~~2~~, further comprising a Radome surrounding said at least one RF module and said RF mother board.

8. (Currently Amended) The RF ID card reader of claim 7~~2~~, further comprising a base attached to said radome ~~housing said controller~~, said base provides openings for reception of an RF connector, power supply and data input.

9. (Currently Amended) The RF ID card reader of claim 1~~2~~, wherein said scanning antenna operation is in any one, all or part of the following frequencies: the 2.4 GHz band; the 5.1 to 5.8 GHz band; the 860-960MHz band; or the 433MHz band.

10. (Currently Amended) The RF ID card reader of claim 1~~2~~, further comprising a software driver to control ~~said~~ a scanning antenna azimuth scan angle to maximize a received wireless signal.

11~~2~~. (Currently Amended) The RF ID card reader of claim 1~~2~~, further comprising a three way divider, the output of said three way power divider connects to a phase shifter module.

12~~3~~. (Currently Amended) An RF ID tag system, comprising:

at least one RF ID tag;

at least one RF ID tag reader, said at least one tag reader including at least one RF ID tag reader microcontroller; and

at least one transceiver associated with said at least one microcontroller, said at least one transceiver in communication with at least one scanning antenna for transmitting signals to and receiving signals from said at least one tag;

wherein said at least one scanning antenna comprises:

at least one RF module, said at least one RF module further comprising at least one RF connection for receipt of at least one RF signal and at least on tunable or switchable device;

an RF motherboard for acceptance of RF signals and distribution of transmit energy to said RF module at the appropriate phases to generate a beam in a commanded direction and width; and

a controller for determining a correct signal to send to said at least one RF module.

134. (Cancelled)

1415. (Currently Amended) The RF ID ~~card~~ tag reader of claim 12[4], wherein said at least one RF signal has either single or dual polarization which can be either linear or circular.

~~15~~16. (Currently Amended) The RF ID ~~card~~ tag reader of claim 12[4], wherein said at least one RF module is nine RF modules.

1617. (Currently Amended) The RF ID ~~card~~ tag reader of claim 12[3], wherein an interface connects said scanning antenna with a microcontroller associated with said reader.

1718. (Currently Amended) The RF ID ~~card~~ tag reader of claim 12[4], wherein a ~~said~~ beam width and steer have at least a 6 dBi gain throughout a 360 degree azimuth scan or any segmentation of 360 with at least 6dBi gain..

1819. (Currently Amended) The RF ID ~~card~~ tag reader of claim 12[4], further comprising a Radome surrounding said at least one RF module and said RF mother board.

1920. (Currently Amended) The RF ID ~~card~~ tag reader of claim 12[4], further comprising a base attached to ~~said~~ a radome housing said controller, said base provides openings for reception of an RF connector, power supply and data input.

2021. (Currently Amended) The RF ID ~~card~~ tag reader of claim 12[4], wherein said scanning antenna operation is in any one, all or part of the following frequencies: the 2.4 GHz band; the 5.1 to 5.8 GHz band; the 860-960MHz band; or the 433MHz band.

2122. (Currently Amended) The RF ID ~~card~~ tag reader of claim 12[4], further comprising a software driver to control ~~the said~~ a scanning antenna azimuth scan angle to maximize a received wireless signal.

2223. (Currently Amended) The RF ID ~~card~~ tag reader of claim 132, further comprising a three way divider, the output of said ~~power~~ three way divider connects to a phase shifter module.

2324. (Currently Amended) A method of tracking an object, person or thing, comprising the steps of:

associating an RF ID tag with said object, person or thing;

providing an RF ID tag reader with a scanning antenna for transmitting information to, and receiving information from, said RF ID tag, said RF ID tag containing information about said object, person or thing;

wherein said scanning antenna comprises:

at least one RF module, said at least one RF module further comprising at least one RF connection for receipt of at least one RF signal and at least one tunable or switchable device;

an RF motherboard for acceptance of RF signals and distribution of transmit energy to said RF module at appropriate phases to generate a beam in a commanded direction and width; and

a controller for determining a correct signal to send to said at least one RF module.

24~~25~~. (Cancelled)

25~~26~~. (Currently Amended) The method of tracking an object, person or thing of claim 23~~5~~, wherein said at least one RF signal is at least two RF signal has either single or dual polarization which can be either linear or circular.

26~~27~~. (Currently Amended) The method of tracking an object, person or thing of claim 23~~5~~, wherein said at least one RF module is nine RF modules.

2728. (Currently Amended) The method of tracking an object, person or thing of claim 23[4], wherein an interface connects said scanning antenna with a microcontroller associated with said reader.

2829. (Currently Amended) The method of tracking an object, person or thing of claim 235, wherein ~~said~~ a beam width and steer have at least a 6 dBi gain throughout a 360 degree azimuth scan or any segmentation of 360 degrees with at least 6dBi gain..

2930. (Currently Amended) The method of tracking an object, person or thing of claim 235, wherein said scanning further comprises a Radome surrounding said at least one RF module and said RF mother board.

3031. (Currently Amended) The method of tracking an object, person or thing of claim 235, wherein said scanning antenna further comprises a base attached to said radome ~~housing said controller~~, said base provides openings for reception of an RF connector, power supply and data input.

3132. (Currently Amended) The method of tracking an object, person or thing of claim 235, wherein said scanning antenna operation is in any one, all or part of the following frequencies: the 2.4 GHz band; the 5.1 to 5.8 GHz band; the 860-960MHz band; or the 433MHz band.

3233. (Currently Amended) The method of tracking an object, person or thing of claim 235, wherein said scanning antenna further comprises a software driver to control ~~said~~ a scanning antenna azimuth scan angle to maximize a received wireless signal.

3334. (Currently Amended) The method of tracking an object, person or thing of claim 235, wherein said scanning antenna further comprises a three way divider, the output of said ~~power~~ three way divider connects to a phase shifter module.